

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- 7.

Other: _____

Applicant must provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

PAGE: 1

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/469,641A**DATE: 08/26/97
TIME: 14:31:02**INPUT SET: S19909.raw**

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Olsen, et al.
6
7 (ii) TITLE OF INVENTION: Vascular Endothelial Growth
8 Factor 3

--> 10 (iii) NUMBER OF SEQUENCES: (6) 8 shown - see next page

11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
14 CECCHI, STEWART & OLSTEIN
15 (B) STREET: 6 BECKER FARM ROAD
16 (C) CITY: ROSELAND
17 (D) STATE: NEW JERSEY
18 (E) COUNTRY: USA
19 (F) ZIP: 07068

20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: 3.5 INCH DISKETTE
23 (B) COMPUTER: IBM PS/2
24 (C) OPERATING SYSTEM: MS-DOS
25 (D) SOFTWARE: WORD PERFECT 5.1

26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER: 08/469,641
29 (B) FILING DATE: June 6, 1995
30 (C) CLASSIFICATION:

31
32 (vii) ATTORNEY/AGENT INFORMATION:
33 (A) NAME: MULLINS, J.G.
34 (B) REGISTRATION NUMBER: 33,073
35 (C) REFERENCE/DOCKET NUMBER: 325800-463 (PF207)

36
37 (viii) TELECOMMUNICATION INFORMATION:
38 (A) TELEPHONE: 201-994-1700
39 (B) TELEFAX: 201-994-1744

40
41
42
43
44
ERRORED SEQUENCES FOLLOW:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/469,641ADATE: 08/26/97
TIME: 14:31:06

INPUT SET: S19909.raw

112 (2) INFORMATION FOR SEQ ID NO:3:

113

114 (i) SEQUENCE CHARACTERISTICS:

--> 115 (A) LENGTH: 29 BASE PAIRS

116 (B) TYPE: NUCLEIC ACID

117 (C) STRANDEDNESS: SINGLE

118 (D) TOPOLOGY: LINEAR

119

120 (ii) MOLECULE TYPE: Oligonucleotide

121

122 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

123

--> 124 GCATGATCC CAGCCTGATG CCCCTGGCC

125

126

29

28

172 (2) INFORMATION FOR SEQ ID NO:7:

173

174 (i) SEQUENCE CHARACTERISTICS:

--> 175 (A) LENGTH: AMINO ACIDS

176 (B) TYPE: AMINO ACID

177 (C) STRANDEDNESS:

178 (D) TOPOLOGY: LINEAR

179

180 (ii) MOLECULE TYPE: PROTEIN

181

182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

183

184 Pro Xaa Cys Val Xaa Xaa Xaa Arg Cys Xaa Gly Cys Cys Asn

185 5 10

186

187

14? (mandatory response)

188 (2) INFORMATION FOR SEQ ID NO:8:

189

190 (i) SEQUENCE CHARACTERISTICS:

191 (A) LENGTH: 231 AMINO ACIDS

192 (B) TYPE: AMINO ACID

193 (C) STRANDEDNESS:

194 (D) TOPOLOGY: LINEAR

195

196 (ii) MOLECULE TYPE: PROTEIN

197

198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

199

200 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu

201 . 5 10 15

202 Leu Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala

203 . 20 25 30

204 Glu Gly Gly Gln Asn His Glu Val Val Lys Phe Met Asp Val

205 . 35 40 45

206 Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile

207 . 50 55 60

This is the last sequence
in the file.

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/469,641ADATE: 08/26/97
TIME: 14:31:09

INPUT SET: S19909.raw

208 Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Ph Lys Pro Ser
209 65 70 75
210 Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly
211 80 85 90
212 Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
213 95 100 105
214 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser
215 110 115 120
216 Phe Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg
217 125 130 135
218 Ala Arg Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Gly Gln
219 140 145 150
220 Lys Arg Lys Arg Lys Lys Ser Arg Tyr Lys Ser Trp Ser Val Tyr
221 155 160 165
222 Val Gly Ala Arg Cys Cys Leu Met Pro Trp Ser Leu Pro Gly Pro
223 170 175 180
224 His Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val
225 185 190 195
226 Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
227 200 205 210
228 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg
229 215 220 225
230 Cys Asp Lys Pro Arg Arg
231 230
232

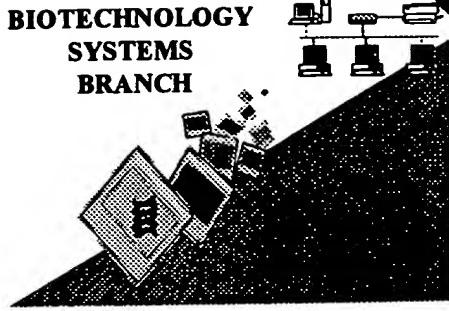
PAGE: 1

**SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/469,641A**

DATE: 08/26/97
TIME: 14:31:13

INPUT SET: S19909.raw

Line	Error	Original Text
10	Number of Sequences (6) Doesn't Equal Actual Count (8)	(iii) NUMBER OF SEQUENCES: 6
115	Entered (29) and Calc. Seq. Length (28) differ	(A) LENGTH: 29 BASE PAIRS
124	# of Sequences for line conflicts w/ running total	GCATGATCC CAGCCTGATG CCCCTGGCC
175	Length must be an Integer	(A) LENGTH: AMINO ACIDS
175	Entered (0) and Calc. Seq. Length (14) differ	(A) LENGTH: AMINO ACIDS



Notice of Availability of Checker Program

Applicant Aid for Biotechnology Computer Readable Form (CRF) Sequence Listing Submissions

The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Sequence Rules: 37CRF 1.821 through 1.825). Final rules were published in the *Federal Register* (55 FR18230) on May 1, 1990, and in the PTO *Official Gazette* (1114 Off.Gaz.PatOffice 29) on May 15, 1990.

Checker is a DOS-based software program that is intended to assist users in determining whether errors may be present in the sequence listings, and is not intended to guarantee that the submission is error-free.

The most current version of the software is available via computer downloading, details are below. Copies on diskette are also available. Updated software versions will not be automatically mailed out; any updates will be announced in the PTO *Official Gazette*.

The software can be accessed/requested from the following locations:

- 1) Dial-up access through the Internet. Location is <ftp://ftp.uspto.gov>
The software is in current directory: pub/checker/
Download all the files. Cost: Free-of-charge
- 3) For diskette copies, mail to: U.S.P.T.O., OEIP, CRYSTAL PARK 3, SUITE 441
WASHINGTON DC 20231

COST FOR DISKETTE IS \$ 25.00

METHOD OF PAYMENT:

Check payable to Commissioner of Patents and Trademarks
VISA/ Mastercard/ Charge- Charges can be faxed to 703-306-2737
PTO Deposit Account

For Further Information, Contact: Arti Shah at 703-308-4212